

**ABSTRACT**

The present invention relates to a calibration arrangements and, in particular, calibration arrangements in an antenna receiver included in a radio base station. The receiver (1) comprises an antenna (300) with one or more amplifiers (100,200) located in a chain, wherein the noise ( $N_a+N_i$ ) produced by the amplifier/amplifiers (100,200) can be a reference value during estimation of the gain (G) of the receiver (1). Signal loss due to aging of the components and ambient variations as e.g., temperature can be compensated. An advantage of the present invention is that an external reference source when calibrating the gain of a receiver can be avoided.

Figure for publication: Figure 2